

TYPE A1 WITH FIXED SEAT

TYPE A1 WITH SEMI-EXPANSION SEAT

LEGEND

- ☆ #16 BARS AT 300 mm (600 mm LONG). THESE BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE.
- ◇ WHEN THIS DIMENSION ≥ 100 mm THIS ADDITIONAL REINFORCEMENT SHALL BE ADDED.
- USE 800 mm FOR ALL SLAB SPANS AND FOR GIRDER SPANS WITH NO PAVING NOTCH EXCEPT 1370 mm, 1370W mm, 1780 mm, & 1830W mm. GIRDERS WITH SKEWS $> 25^\circ$ - USE 850 mm. USE 1000 mm FOR GIRDER SPANS WITH PAVING NOTCH.
- DIMENSION IS FROM BOTTOM OF ABUTMENT TO LOW BEAM SEAT OR LOW SIDE OF SLAB TYPE SUPERSTRUCTURE.
- 457 mm RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACKFACE.
- ▲ KEYED CONST. JOINT FORMED BY BEVELED 38 mm x 140 mm.
- ** WINGWALL WIDTH SHALL BE 450 mm WHEN TYPE "M" RAILING OR VERTICAL FACE PARAPET TYPE "TX" IS USED.

DESIGNER NOTES

LAP LENGTHS FOR HORIZONTAL BARS SHALL BE BASED ON A "CLASS C" TOP TENSION LAP SPLICE.

PILING SPACING IN ABUTMENT BODY SHALL BE 2500 mm MAX. FOR ALL TYPES OF PILING.

*WHEN BODY SECTION IS $> + 15000$ mm LONG PROVIDE VERTICAL CONSTRUCTION JOINT. RUN BAR STEEL THRU JOINT, SEAL JOINT WITH 457 mm RUBBERIZED MEMBRANE WATERPROOFING.

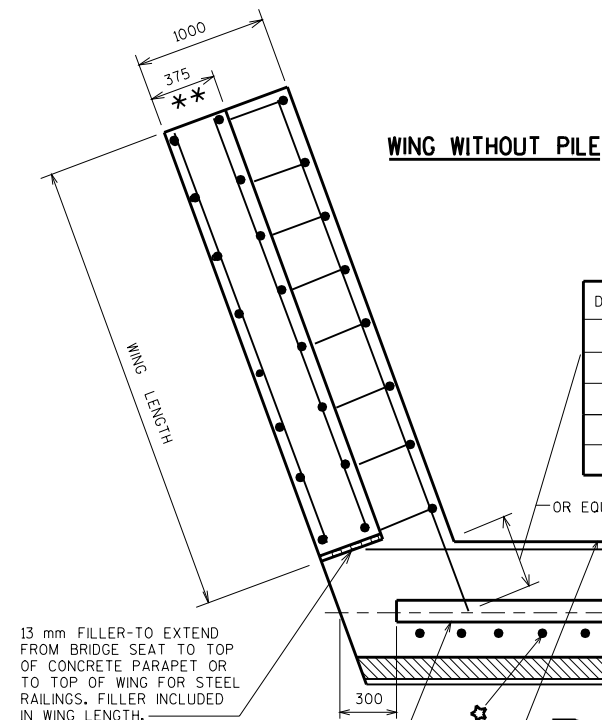
CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.6.3 STANDARD SPECIFICATIONS.

THE SEMI-EXPANSION SEAT SHALL BE USED WHEN REQUIRED AS STATED IN CHAPTER 12, TABLE 12.1 OF THE BRIDGE MANUAL OR WHENEVER A WING PILE IS REQUIRED.

THE FIXED SEAT CANNOT BE USED WHEN A WING PILE IS REQUIRED.

ALL DIMENSIONS ARE IN MILLIMETERS.

WING WITH PILE



WING WITHOUT PILE

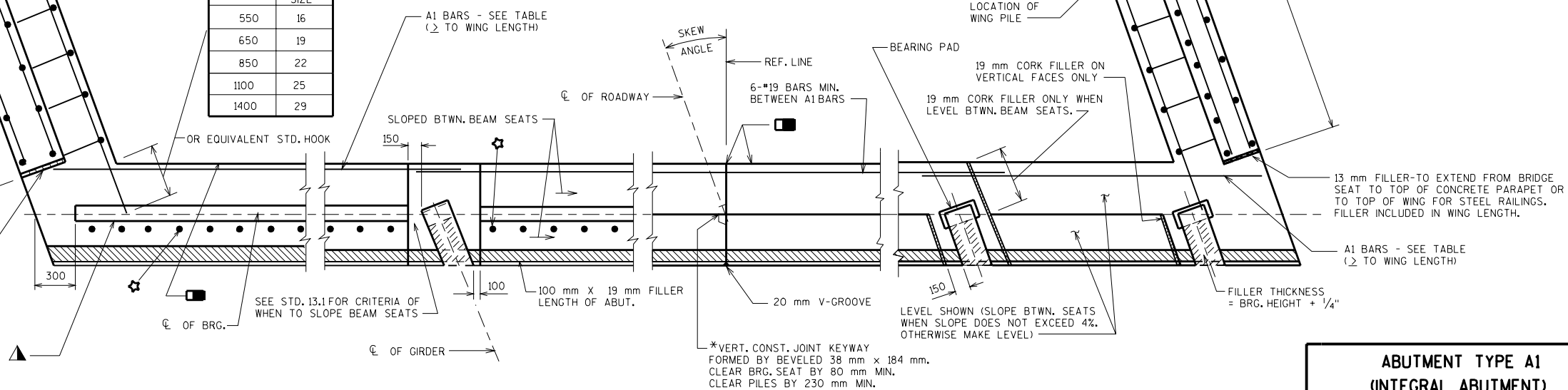
DISTANCE	BAR SIZE
550	16
650	19
850	22
1100	25
1400	29

SLAB SPAN WITH FIXED SEAT

GIRDER SPAN WITH FIXED SEAT

SLAB SPAN WITH SEMI-EXPANSION SEAT

GIRDER SPAN WITH SEMI-EXPANSION SEAT



ABUTMENT TYPE A1 (INTEGRAL ABUTMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DEVELOPMENT SECTION

APPROVED: _____

DATE:
1-03